

70
Nitrogen in Cast Irons, by M. Voklanst.
FRENCH, par, Revue de Metallurgie, Vol. L.VIII,
No 9, 1961, pp 777-787.
BIB 3426

Sci - M/Ad
May 64

205,037

VOLIANIK, N.

Journal Du Four Electrique, vol. 43, pp. 90-91, 1400 words; 1934.

Precautions to be Taken in Production of Ferrochromium in Electric Furnace.

Brutcher Trans., Order No. 23, \$1.80

A 12714

Graphite Separation by Gas Treatment of a Cast
Iron Melt, by George Blanc, Nicolas Volianik, 62 p.

GERHAN, per, Giasserei, 1957, Vol XLIV, No 10,
pp 277-290.

SLA 59-20990

Sci

Apr 60

112,038

Vol III, No 3

Assembly of Trestle Type Prefabricated Piers, by
D. E. Gurevich, A. G. Volik, 7 pp.

RUSSIAN, per, Transport Stroitel, No 2, 1963,
pp 23-27.

ACSI I-3635
ID 2251708

248,422

Sci - Engr
Feb 64

Study of the Bactericidal Properties of Uvicin
Larson, by M. K. Volik, E. Ya. Nikolayeva.

RUSSIAN, per, Trudy Gosudarstvennyi Nauchno-
Kontrol'nyi Institut Veterinarnykh Preparatov,
Vol VII, 1957, pp 284-289. CIA 9042900

USDA

Sci - Medicine
Oct 59

98,922

Scientific Basis and Principles of the Depth
Method of Culturing Microbes and Its Application
in Biological Industry, by E. K. Volik.

RUSSIAN, per, Trudy Gosud Nauchno-Kontrol' Inst
Vet Preparatsiy, Vol IV, Moscow, 1953, pp 46-59.

USDA

Scientific - Biology

CTS 67/Apr 55

22,957

Experiments in Growing Virus of Brucellosis by the
Autoclave Method, by E. K. Volik.

RUSSIAN, per, Trudy Gosud Nauchno-Kontrol' Inst Vet
Preparatov, Vol V, 1955, pp 201-208. CIA D 472245

34,191

USDA

Scientific - Medicine; Biology

May 56 CTS/dex

Bactericidal Properties of Uviol Lamps. (Autoreport)
by E. K. Volik.

RUSSIAN, per, Veterinariya, Vol XXXIV, No 9, Aug
1957, Moscow, pp 81, 82. CIA 9013130

USDA

Sci - Medicine
Oct 57

54,158

(DC-1079)

Potentiated Anesthesia and Hypothermia in Clinical Practice, and the Possibility of Their Use Under Field Conditions, by A. N. Berkutov, A. A. Volikov, L. A. Smetanin, 9 pp.

RUSSIAN, no per, Voenno-Meditsinskiy Zhur, No 1, Moscow, 1957, pp 50-55.

US JPRS/DC-L-751

Sci - Medicine, hypothermia

75 091

Potentiated Anesthesia in Emergency Surgery
and Traumatology, by A. N. Berkutov, A. N.
Volikov

RUSSIAN, no per, Voyenno Med Zhur, No 2,
Moscow, Feb 1959, pp 26-33

US JPRS 1634-N

Sci - med
Jun 59

88,414

Certain Problems in the Method of Intratracheal
Anesthesia and Potentiated Analgesia by
A.A. Volikov

RUSSIAN, no per, Voenno Med Zhur, No 6,
Moscow, Jun 1958, pp 38-47

US JPRS(NY) 866

Sci - Medicine
Dec 58

77,296

THE EFFECT OF THE VELOCITY OF THE MEDIUM ON
THE CORROSION OF STEEL 1KH18N9T, BY G. I.
SHVARTS, I. G. VOLIKOVA.

RUSSIAN, BK, SBORNIK STATEY VSESOYUZ NAUCH
ISSLEDOVANIYA I KONSTR INST KHIM MASHINOSTR,
VOL XXV, L958, PP 75-86.

NLL M.3506
*BISI 2293

SCI - CHEM
JUN 672

L99,110

New Synthesis of 5,6-Dimethylbenzimidazole,
by V. M. Berezovskiy, L. S. Tul'chinskaya, N. G.
Volikova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 10,
1960, pp 3434-3437.

CB

Sci

171,742

Oct 61

Synthesis of Calcium Fluoride and Hydro-
Fluoric Acid From Fluosilicic Acid, by S. I.
Valikovich, M. G. Gabrielova.
RUSSIAN, per, Zhur Prikladnoi Khimii,
Vol XXV, 1952, pp 345-349.
SLA TT 64-20350

S. I. Valikovich

May 67 325,027

Gravitational Nature of Fan-Shaped
Structures, by A. V. Volin, 7 pp.
RUSSIAN, per, Sovetskaya Geologiya,
Vol 6, No 2, 1963, pp 34-44.
AGI in International Geology Review,
v. 6, no. 11, pp 2020-2026

A. V. Volin

336,204

Sci
Aug 67'

The Trailing Edge of Pulses in a Cathode Follow-up
With Capacitive Load, by M. M. L. Volin, 11 pp.

RUSSIAN, per, Radiotekhnika, Vol XI, No 3, 1956,
pp 63-69. 117-1-2-57

ATIC P-TS-9180/v

Sci Phys

Dec 58

77,993

Amplifiers of Intermediate Frequency. Chap III,
Selecting the Basic Parameters for an Amplifier, by
M. L. Volin, 41 pp, (AF 742134).

RUSSIAN, 84, Usiliteli Prazhbutokhnoy Chastoty,
Moscow, 1955, pp 78-107, CIA 605+29,

AFIC F-65-10040/V

Sci - Electronics

56, 346

Doc 57

SLA 61-15268

The Electrical Conductivity of Ternary Systems Com-
posed of Amines, Acetic Acid and Water, by S. P.
Miskidzhyan, I. A. Volina, 6 pp.

RUSSIAN, no pér, Zhur Obshch Khim, Vol XXVI, No 4,
Apr 1956, pp 1041-1045.

Consultants Bureau

Sci - Chemistry
Feb 1957 CTS/dex

43,652

Determination of Silicates by Means of 8-Hydroxy-
quinoline, by M. I. Valinets, 5 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol ^X XI, 1936, pp
18-22.

SLA R-3302

Sci

Aug 59

93, 530

Volumetric Determination of Silicon in Dinas,
Quartzites, Clays and Groggs with the Aid of
8-Hydroxyquinoline, by M. I. Volinets and
S. S. Bernshtein, 3 pp.

RUSSIAN, per, Zavod Lab, Vol V, 1936, pp 1071,
1072.

SLA R-2275

Sci

Aug 58

72,224

The Folic Acids and Their Practical
Application in Medicine, by Hermann, Marie,
Hans Volk. 12 p.
Grunsky, por. Wissenschaftliche
Zeitschrift, Vol LXXXI, 1955,
pp 869-871.
SIA TT-64-20031

HANS VOLK

Jan 67

317,002

(DC-2994).

Korea Fights, by Irina Volk, 8 pp.

RUSSIAN, bk, Koreya Srazhustals, 1953, pp 3-12.

JPRS-L-1839-N D

Aug 59

94,634

Leaf Roll in Beans and Peas, a New Virus Disease in the Leguminosae, by L. Quantz, J. Volk.

GERMAN, per, Nachrichtenblatt des Deutschen Pflanzenschutzdienstes, Vol VI, No 12, 1954, pp 177-182.

CSIRO 4251

Sci - Biol
Jul 682

207,644

Metallographic Indication of Lead in Steel, by
K. B. Volk. UNCL

GERMAN, par, Arch Eisenhuettenen, Vol XVI, No 2,
1942, pp 81-84.

British Iron and Steel Ind
(no number given)

Min/
Sci - Met
8ep 59

98422

Amelioration de la Resistance a la fatigue des
alliages de nickel resistant a la chaleur par
faibles additions de bore et de zirconium, by
K. E. Volk, A. W. Franklin, 29 pp.

GERMAN to FRENCH, per, Z fuer Metallkde, LI, No 3,
1960, pp 172-179.

Reverse Translation
CEA-A-1467

Sci
Jun 64

Production and Use of Heat-Resisting Aluminum
Coatings, by G. Kremer, K. E. Volk, 20 pp.

GERMAN, per, Stahl u Eisen, Vols LXVI-LXVII,
1947, pp 250-255.

SLA 57-2834

Sci
Aug 58

70, 887

Metallographic Studies of Steel With the Electron
Microscope, by H. Bannek, O. Rudiger, P. Stablein,
K. E. Volk.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XV,
1941-1942, pp 431-436.

12,686

Brutcher Tr 1951

Scientific - Min/Metals

SCHAEFFELSTER, P.
VOLK, K. E.

Archiv Eisenhüttenwesen, vol. 15, 12 figures, 1 table,
3500 words; November 1941.

The Electrolytic Polishing of Metals.

Brutcher Trans, Order No. 1235, \$4.25.

A 10441

VOLK, K.E.

STAM UND BIERL, vol 66-67, 1947, pp 250-5

Production and Use of Heat Resisting Aluminum Coatings

Butcher Trans 1959, 45.85

A 6176

ARCHIV BUNDEKAMMER, vol 10, 1947

Detection of Lead in Steel by Metallographic Methods

Brutcher Trans 1450, 42.75

A 12 715

W. NICA

Charge Carrying Instrument as a High Ohmic
Resistance, by W. Kossel, F. Leonhard,
P. Volk,

GERMAN, per, Z. angew Phys., Vol VI, ^{No 5,} 1954,
pp 213-~~18~~ 215.

TPA3/TIB T4536

Sci Physics

30,866

Gas in the Italo-Ethiopian War 1935/1936, by Col.
H. Vollenst. Officer in the Infantry, 12 pp.
UNCLASSIFIED

GERMANY, Instr. of der Infanterie-Abteilungen
Schweizerische Militär Zeitschrift, Jan 1951.
pp 17 - 21

513
Application of Airborne Magnetic Survey in
Studying the Arctic Basin of the Earth's Crust,
by V. E. Volk,
RUSSIAN, per, Sovetskaya Geologiya, No 2,
1964, pp 117-120. 100037265
ACIC TC-883

Sci-Ear Sci & Ocean
Sept 66

310,576

Instrumental Procedures of the Fibre- Length
Measuring Techniques, by W. Brecht,
W. Volk,

GERMAN, per, Papier, Vol XII, No 9/10, p 196,
1958,

C.S.I.R.O.
SLA 58-1804

Sci - Phys

116/132

May 60

The Effect of Wire Structure on Fibre Drainage
Study on Stationary Screen, by W. Brecht, H.
Erfurt and W. Volk, 13 pp.

GERMAN, per, Das Papier, Sep 1956, pp 395-402.

SLA Tr 57-1720

Sci

Jul 58

67,935

The Influence of Companion Crop on the Yield and
Composition of Clover-Grass Mixtures, by A. Volkart,
T. H. Zurich, 47 pp.

GERMAN

SIA Tr 800/1955

Sci - Biol

50,177

Jul 57

Intramolecular Acylation in the Ferrocene Series.
Cyclization of γ -Ferrocenyl-Substituted Acids
and Keto Acids, by A. N. Nesmeyanov, N. A.
Vol'kenau, V. D. Vil'chevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 3, 1958, pp 512-514.

Consultants Bureau

Sci - Chem

Jun 59

88,810

The Economic Assessment of Coal Lenses,
by A. V. Vol'keanu, P. Z. Zviagin.

RUSSIAN, par, *Ugol'*, 1957, No 6, pp 8-13.

NLL M.3269

USSR
Econ
Mar 62

183,702

Intramolecular Acylation in the Ferrocene Series,
by A. N. Nesmeyanov, N. A. Vol'ke^Nau, V. D. Vil'-
chevskaya, 6 pp.

Full tr

RUSSIAN, trlice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 2, Nov 1956, pp 362-364.

ATIC F-TS-9263/III

Sci - Chemistry
Oct 57

53,492

Synthesis of Alkylferrocenes, by A. N. Nemeyanov,
N. A. Vol'kenau, 6 pp.

Full tr

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, No 2,
1956, pp 262-264.

ATIC F-TB-10052/III

Sci - ~~115-120-10052~~
Dec 1956 ~~12~~ CIS/dex

Chemistry 44, 867

Acylation of Acetyl- and Ethylferrocene, by A. H.
Nesmeyanov, N. A. Volkenau, 4 pp.

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 3, Nov/Dec 1956, pp 605-608.

Consultants Bureau

Sci - Chem

56,691

Dec 57

Synthesis of Alkylferrocenes, by A. N. Masmyanov,
and H. A. Volkenau, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok, Ak. Nauk SSSR, Vol CVII,
No 2, p 262. CIA 563436

ATIC-F-TS-10052
Consultants Bureau

41,531

Sci - Chemistry
Dec 56 CTS

Synthesis of Stereoisomeric Organomercury Compounds
via Organolithium Compounds, by A. N. Nesmeyanov,
A. E. Borisov, N. A. Volkenau, 8 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 992-1001. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,017

Devices for the Installing and Dismantling
of Roller Axle Bearings, by Wilhelm
Volkering, 15pp
GERMAN, per, Glaser's Annalen, Vol 65, 1961,
No 3, pp 91-97
CFSTI TT-64-18074

Wilhelm Volkering
323,842

Sci - Mach, Fabri & Access Equip
Apr 67

Measurements of the Roll Force and Experiment
Made in the Operation of a Fully-Continuous
Seven-Stand Hot Strip Finishing Mill Train,
by H. Lampmann, W. Volkening. UNCL

GERMAN, per, Stahl u Eisen, 28 May 1959,
pp 777-785.

BISI 1367

(16 108.08.)

98,722

Sci - Engr
Oct 59

Method of Determination of Luminosity Characteristics
of Incandescent Lamps As a Function of Voltage, by
A. A. Vol'kenshtein.

RUSSIAN, mo per, Elektrichestvo, No 11, 1954, pp 73-76.

36,129

Insdoc
Nat Phys Lab Of India
Hillside Rd.
New Delhi-12, India

Scientific - Electricity
Engineering

Jun 56/dex

Visual Photometric Measurements at Low Brightness,
by A. A. Vel'kenshteyn, A. A. Gershun, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXVI,
No 1, 1949, pp 59-61.

CIA/FDD/X-1196

Scientific - Physics
CTS/DEX

9176

The Main Concepts in the Electronic Theory of
Catalysis on Semiconductors, by F. F. Vol'kenshtein,
8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 1,
1960, pp 32-49.

C3

Sci
Jul 61

Sci 158, 148

Effect of Illumination on the Adsorptive Power and
Catalytic Activity of a Semiconductor, by F. F.
Vol'kenshtein, Sh. M. Kogan, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1959, pp 1536-1545.

CB

Sci -
May 61

152,791

The Problem of the Reaction Path for Contact
Oxidation on Semiconducting Catalysts (The Example
of the Oxidation of Benzene), by I. I. Yoffe, F. F.
Vol'kenshtein, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,
1958, pp 747-750.

Consultants Bureau

Sci - Chem
Dec 58

77,463

CIA/EDD XX-688

The Influence of Ionizing Radiation on the
Adsorptive and Catalytic Properties of Semi-conductors,
by F. F. Vol'kenshtein, 10 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 4,
1961, pp 481-489.

CB

Sci

Jun 62

200, 21
451

Mechanism of the Dissociation of a Diatomic Molecule
on α Adsorption on the Surface of a Semiconductor, by
F. F. Volkenshtein, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1957,
pp 143-156.

CIA/PDD XX-557

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 59

USIB INTERNAL USE ONLY

78,543

Some Special Properties of Adsorption Related to
the Heat Disorder of the Surface of a Crystal,
by F. F. Volkenstein, 20 (pp) pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXXIII, No 3,
1949, pp 917-930. D 354904; D 450329.

CIA/FDD X-2207

Sci Museum Library
50/1809

40,794

Also DKB- TT-126

A 12722

Sci - Chemistry Nov 1956 CTS/dex
Rox

Present State of the Electronic Theory of Catalysis
on Semiconductors, by F. P. Vol'kenghin.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1304-1320. 9100077

ATS RJ-1671

Sci - Chem, *Electron*

Jul 59

90,848

Some Problems of the Semiconducted Catalysis ...
(According to the Material of the International
Congress on Catalysis in Philadelphia), by F. F.
Vol'kenshtain.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 659-672.

Tech and Com

Sci - Chem

Apr 58

6A, 239

Electronic Processes in Chemisorption.
Communication 1, by F. F. Volkens, 5 pp.

ChTEIN
RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, USSR, 1953, pp 788-794. CIA D 151001

Z-241
Consultants Bureau

Scientific - Chemistry

2.2.5.6. to 103
CTS 64/Jan 55

20,564

Chemical Adsorption on Ionic Crystals, by
F. F. Volkenstejn,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 10,
1952, pp 1462-1471.

Co-op Tr Sch No 101
12. 10s. (10s. Od.)

Scientific - Chemistry

Feb 55 CTS

20,850

Recombination of Free Radicals on Semiconductor Surfaces and
Its Significance in Luminescence, by F. F. Vol'pert, et al.,
A. N. Gorban', 9 pp.
RUSSIAN, per, Kinetika i Kataliz, Vol IV, No 1, 1960,
pp 231-34.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 2

Sci
Mar 64

212,017

Mechanism of the Catalytic Action of Semiconductors,
by F. F. Volkenshtein, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 924-928.

Consultants Bureau
ETS (T-11)

Sci - Chem

May 59

87,165

Various Types of Bonds in Chemisorption on
Semiconductors, by F. F. Volkenshtein, 7 pp.

RUSSIAN, per, Iz Ak Nauk BSSR, Otdel Khim Nauk,
No 3, 1957, pp 916-923.

Consultants Bureau

175 RJ-1136

Sci - Chem

May 59

87,164

Modification of Catalysts, by F. F. Vol'konshtein,
24 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, No 10, 1951,
pp 1214-1227.

36,115
Sci Tr Center HT-3658

Scientific - Chemistry

Jun 56/dex

The Role of Free Valences in Heterogeneous Catalysis,
by V. V. Vovyevoǎskiy, F. P. Vol'kanabtern, W. H.
Semenov, 25 pp. (AF 670864).

RUSSIAN, bk, Voprosy Khimicheskoy Kenetiki, Kataliza
i Reaktsionnoi Sposobnosti, Moscow, 1955, pp
423-440.

ATIC P-IS-8881/V

Sci - Chemistry

36,471

Jul 1956

The Effect of an External Electric Field on the Adsorptive
Power of a Semiconductor, by F. F. Vol'kenshtein, V. B.
Sandomirskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5,
1958, pp 980-982. 9077074

Consultants Bureau

ATS-RS-1721

Sci - Chem
Dec 58

77,470

Some Problems of Contemporary Solid State
Electron Theory, by F. F. Vol'kanaitain, 23 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXI, 1951,
p 1544. CIA D 193571

Morris D. Friedman
V-114 \$12.00

USSR
Scientific - Physics CT8 65/Feb 55

2,282

Electronic Processes in Chemisorption.
Communication 2, by F. F. Volkenshtein, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, USSR, Nov/Dec 1953, pp 972-979. CIA D 151103

Consultants Bureau

Scientific - Chemistry

CTS 66/Mar 55

21,798

The Chemisorption Capacity and Catalytic Activity
of Semiconduction Films on Metals. By F. F.
Vol ~~Shan~~stein and V. S. Kuznetsov, -pp. 10

RUSSIAN, per, Kinetika i Kataliz, Vol III, No. 5,
1962, pp. 712-723.

CB

Sci

341,171

Jun 63

Electronic Conductivity in Dielectrics at
High Fields, by F. P. Vol'kenshtein, 23 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol IX, No 3, 1939,
pp 171-187. *31AD15416*

Sci Tr Center
RT- 1447

Scientific - ~~Engineering~~ Physics
3

18,922

B-0280

(B-0280)

Two Types of Homopolar Bonds in Chemical
Adsorption, by F. F. Vol'kanskaya, 16 pp.

RUSSIAN, per. [FOI REVISED], Zhur Fiz Khim,
No 3, 1954, pp 422-432.

JPRS L-79244

USSR

Sci - Chem
Jun 59

88,383

The Concept of a "Quasi-Isolated" Surface in
the Theory of Chemisorption, by F. F.
Vol'kenstein, Sh. M. Kogan, 4 pp.

RUSSIAN, per, Zhur Fiz. Khim, Vol. XXXIV,
No 9, 1960, pp 1996-2004.

Cleaver-Hume Press

Sci
Aug 61

167,069

Semiconductors as Catalysts of Chemical
Reactions, by F. F. Volkenshtein, 83 pp.

RUSSIAN, per Pamphlet, Ak Nauk SSSR, Inst
Poluprovodnikov, No 18, 1956.

SLA R-2325

Sci

Aug 58

72,045

VOL'KENSHEIN, F. F.

Electron Theory of Promoting and Poisoning Ionic Catalysts.

Zhur Fiz Khim, 22, 311-30, 1948, USSR.

Assoc Services
New Jersey

RJ-61

RJ-61

A12718

S6i/Physics/Chemistry

C

The Electronic Levels of Atoms Adsorbed on Crystal Surfaces. I., by Vol'kenshtein, F. F.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXI, No 11, 1947.

AEC Tr 367

x-77767

Feb cts
pp 1317-34

A12719

On Some Questions of Semiconductor Analysis, by
F. F. Vol'kenshtein, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 2, 1957, pp 180-183.

Columbia Tech

Sci - Physics
May 58

62,983

On Problems Arising in the Theory of Semiconductors
as Catalytic Agents, by F. F. Vol'kenshtein, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 2,
1957, pp 177-179.

Columbia Tech

Sci - Physics
May 58

62,982

The Zonal Theory of a Solid and the Limits of Its
Applicability, F. F. Vol'kenshtein.

Full translation.

XLIII
RUSSIAN, mo per, Uspekhi Fiz Nauk, Vol ~~43~~, USSR,
1951, pp 11-29.

Don't
AEC Tr 1166

A 12720

Scientific - Physics

Mar 52 CTS

Concerning the Effect of Small Additions of a Foreign Impurity on the Catalytic Activity of Ionic Catalysts, F. F. Vol'kenshtein.

Full translation.

RUSSIAN, mo per, Zhur Fiz Khim, Vol ^{XXIV} 24, No 9, USSR, 1950, pp 1068-1082.

CIA D 450842

D 472463

AEC Tr 1165

A 12721

Scientific - Physics

Mar 52 CTS

On the Theory of Activated Adsorption, Parts
I and II, by F. F. Volkenshtein,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 2,
1953, pp 159-177.

20,035

Coop Tr Sch No 99
Lb. 4.15s. (19s. Od.)

Scientific - Physics

Dec 1954 CTS

Sci/Chem

0

Electron Theory of Promoting and Poisoning of Ionic Catalysts, by F. F. Vol'kenshtein.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXII, No 3, 1946.

Sci. Ser. 11

9076163

AEC. Tr 277

PA 65T22

A12723

Oct cts

The Theory of the Photoadsorption Effect on Semi-conductors, by F. F. Vol'kenshtein and I. V. Karpenko, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III, No 1, 1962, pp 72-80.

Consultants Bureau

Sci
Dec 62

218,196

Semi-Conductors as Catalysts of Chemical Reactions, by
F. P. Vol'manshtain.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LX, No 2, 1956,
pp 249-254.

Co-op Tr Sch Tr 390

Sci - Electronics
Nov 57

55,097

USSR/Sci/Chem/Adsorption Theory

6

On the Interactions Between Adsorbed Molecules in Connection
With The Theory of Adsorption on Heterogeneous Surfaces,
by F. F. Volkenshtein. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 2, 1947. *pp 163-18*

CIA E 47243

AEC Tr 214

62-11-100

A 12725

C. June CTS

Cooperative Phenomena in the Annealing
and Softening of PVA., by Yu. Sharanov,
M Vol'kenshtein.

RUSSIAN, par, Vysokomolekulyarnye Soe-
dinaniya, Vol 4, No 6, 1962, pp 917-921.
CSIRO/No. 7648.

M. Vol'Kenshtein

Sci -
Jul 67

333,949

Effect of Annealing of Polymer Glasses on
the Temperature Dependence of Thermal
Capacity in the Softening Range, by M.
Vol'Kenshtein.

RUSSIAN, Vysokomolekulyarnye Soedineniya,
Vol 3, No 11, 1961, pp 1739-45.
CSIRO/No.7647

M. Vol'Kenshtein

SCI -

JUL 67

333,951

Configurational Statistics of Polymeric Chains,
by M. Vol'kenshtein.

RUSSIAN, mono.

*Interscience Publishers

Sci

May 62

Conference on the Mechanical Properties of
Non-Mettalic Substances, by M. Vol'kenshtein,
8 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVII, No 1,
1959, pp 177-.

AIP
Sov Phys-Uspekhi
Vol II (67), No 1

Sci

Nov 60

132, 142

Approximation Method for the Calculation of Optical
Anisotropies of Macromolecules, by T. M. Birakhteyn, 37
M. V. Vol'kensiteyn, et al, 12 pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol IV, No 5, 1962, pp 670-677. 9224831
AEC-ANL-Tr-58

Sci-Phys
Oct 64

267,845

Optical Activity of Amino Acids, by
M. V. Vol'kenshteyn, M. P. Kruchek, 4 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol II, No 1,
1961, pp 59-62.

CB

Sci
Jun 62

200,166

Cooperative Processes in Biology, by M. V.
Vol'kenshtein, 8 pp.

RUSSIAN, per, Biofizika, Vol VI, No 3, 1961,
pp 257-264.

PP

Sci

200,178

Jun 62

<p>Volkenstein, M. V. and Shorygin, P. P. ANALYSIS OF GASOLINE BY THE RAMAN EFFECT, II. [1963] [18] p. 12 refs. Order from OTS or SLA \$1.60 63-16025</p> <p>Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1939, v. 13, p. 1512-1522.</p> <p>DESCRIPTORS: *Gasoline, Chemical analysis, *Raman spectroscopy.</p> <p>(Materials--Fuels, TT, v. 10, no. 7)</p>	<p>63-16025</p> <p>I. Volkenstein, M. V. II. Shorygin, P. P.</p> <p>1247523</p> <p>Office of Technical Services</p>
---	---

Heats of Isomerization of Aliphatic Hydrocarbons,
by M. V. Vol'kenshtein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LI,
1946, pp 213-216.

SLA 61-20165

Sci
Mar 62
Vol VII, No 3

188,100

Optical Activity in the Conformation of Certain Alicyclic
Terpenes, by M.V. Vol'kenshtein, I.O. Levitan, 5 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 87-92.

CB

Sci

213, #300

Aug 2/ 62

Optical Activity and Conformations of Certain Alicyclic
Ketones, by M.V. Vol'kenshtein, I.O. Levitan, 6 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 80-86.

CB

Sci

Aug 62

213,299

Relaxation Enthalpy and Cooperative Phenomena in
Polystyrene in the Vitrification Interval
By Yu.A. Sharonov, M.V. Vol'kenshtein pp7

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 2, 1963,
pp590-598

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 2

Sci

Sep 63

244,712
~~344,112~~

Effect of Annealing of Polymer Glasses on the
Temperature Dependence of the Heat Capacity in
the Softening Range, by M. V. Volkenshtain,
Yu. SA. Sharenov, 14 pp.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol III, No 11, 1961, pp 1739-1745. 9670069

DDC RSIC-47

Sci - Chem
Sep 63

344,096

Vol'kenshtein, M. V. and Shorygin, P. P.
ANALYSIS OF LIQUID FUEL BY THE METHOD OF
COMBINATION SCATTERING. [1961] 10p. (1 fig.
omitted) 12 refs.
Order from OTS or SLA \$1. 10

61-16909

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po
Analiticheskoi Khimii (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1944,
v. 3, p 90-104.

DESCRIPTORS: Liquids, *Fuels, *Gasoline, Raman
spectroscopy, Benzenes, Alkyl radicals, Cyclo-
hexanes, Hexanes, Methyl radicals, Toluenes,
Fractionation, *Hydrocarbons, Decomposition,
Aluminum compounds, Chlorides, Catalysts, Cata-
lysis, Waxes, Chemical analysis, Scattering.

A report of the development of Raman spectroscopy as
(Chemistry--Analytical, TT, v. 8, no. 3) (over)

61-16909

I. Vol'kenshtein, M. V.
II. Shorygin, P. P.
III. Title: All-Union...

211979

Office of Technical Services

Internal Rotation in Propand and n-Butane,
by N. P. Borisova, M. V. Vol'kenshtein,
6 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol XI,
No 4, 1961, pp 469-475.

CB

Sci
Jun 62

199,063
~~199,073~~

Large Molecules and Biology, by M. V.
Vol'kenshtein.

RUSSIAN, ^{bk} ~~book~~, Institut Biologicheskoi Fiz.
Fiz-Khim i Strukturnye Osnovy Biologicheskikh
Yavlennii, Moscow, 1960, pp 7-11. 9034822

USDA Tr-41,300

177, 284

Sci - E Biol

Dec 61